

*PLASTUN, N.T.*

## PHASE I BOOK EXPLOITATION

SOV/4393

Vsesoyuznoye sovetschaniye po fizike, fiziko-khimicheskoye svyazi i  
ferritov i fizicheskikh ochenekh. Izd. Minsk, 1959  
Ferrity i fizicheskiye i fiziko-khimicheskiye svyazi. Doklady  
(Ferrites; Physical and Physicochemical Properties) Report  
Minsk, Izd-vo AN BSSR, 1959. 625 p. Errata slip inserted.  
4,000 copies printed.

Sponsoring Agency: Nauchnyy sovet po magnetizmu AN SSSR. Objet

fizicheskogo tverdogo tverdaia poluprovodnikov AN BSSR.  
Editorial Board: Rep. Ed.: N. N. Sirota, Academician of the  
Academy of Sciences BSSR; K. P. Belov, Professor; Ye. I. Konstantinov,  
Professor; M. M. Polivanov, Professor; R. V. Tsvetkov, Pro-  
fessor; G. A. Sudarikov, Professor; N. N. Shchits, Candidate of  
Physical and Mathematical Sciences; E. M. Smol'yrenko, Tech.  
L. A. Bashkir'ev, Ed. of Publishing House; S. Anolikov, Tech.  
Ed.: I. Vodochanova, Tech.

PURPOSE: This book is intended for physicists, physical chemists,  
radio electronics engineers, and technical persons. It may also  
be used by students in advanced courses in radio electronics,  
physics, and physical chemistry.

COVERAGE: The book contains reports presented at the Third All-  
Union Conference on Ferrites held in Minsk, Belorussian SSR.  
The reports deal with magnetic measurements, electrical and  
galvanomagnetic properties, microstructural studies of the growth  
of ferrite single crystals, properties in technological and physical  
chemical analysis of ferrites, studies of current-currents having  
rectangular hysteresis loops, current-magnetic current-currents, problems in magnetic systems  
exhibiting spontaneous magnetization, problems in magnetic  
attraction, highly coercive ferrites, magnetic spectroscopy,  
ferromagnetic resonance, magnetic optical methods, anisotropy of  
using ferrite components in electronic devices, the Committee on Mag-  
netism, AS USSR (S. V. Vinogradov, Chairman), organized the con-  
ference. References accompany individual articles.

## Ferrites (Cont.)

SOV/4394

X Sirota, N. N. and Z. Z. Matrosov. Temperature De-  
pendence of the Magnetic Permeability of Nickel-Magnesium-  
Zinc Ferrites 242

Mishin, D. D., N. T. Plastun, and E. S. Andrianov. Tem-  
perature Magnetic Properties of Nickel-Zinc Permalloy 243  
X Mishin, D. D., L. V. Nikonova, and T. I. Bulykova. The  
Effect of Compressive Compression and Temperature on the  
Magnetostatic Properties of Nickel-Zinc Ferrites 251

Kazim, N. S. and A. S. Miller. Magnetic Anomalies of  
Iron and Cobalt Permalloy 255  
X Sirota, N. N. and Z. Z. Matrosov. On the Electrical  
Conductance of Nickel-Magnesium-Zinc Ferrites and its  
Temperature Dependence 263

Card 9/18

Card 4/18

L 01290-57

ACC NR: AT6010473

O

rectified and feed the field winding of the synchronous machine; disadvantages: current rectification in the exciter-field circuit, a rectifier in the automatic voltage regulator, and a large time constant; (2) Those based on an inverted synchronous machine with a multiphase armature; disadvantages, the same as above; (3) Those based on an induction frequency changer; this system has a higher control power, has no semiconductor rectifiers in the exciter-field-winding circuit, and seems to be more reliable. Systems 1 and 2 are suitable for large high-speed synchronous machines; system 3, for medium, small, and low-speed large machines. Rectifier failures, their consequences, and remedies are briefly discussed. Orig. art. has: 3 figures.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 011

Card 2/2 LC

L 01290-67 EWT(1)

ACC NR: AT6010473

SOURCE CODE: UR/2694/64/000/138/0055/0061

AUTHOR: Pavlinin, V. M.; Plastun, A. T.

3C  
B+1

ORG: none

TITLE: Schemes of brushless excitation for synchronous machines 29

SOURCE: Sverdlovsk. Ural'skiy politekhnicheskiy institut, Trudy, no. 138, 1964.  
Issledovaniye elektromagnitnykh i elektromekhanicheskikh protsessov mashin  
peremennogo toka (Research on electromagnetic and electromechanical processes in  
a. c. machines), 55-61

TOPIC TAGS: electric machine, electric generator, synchronous generator

ABSTRACT: On the basis of 2 Soviet and 12 Western published sources, classification and comparison of various schemes of brushless excitation systems are presented. All such systems include: (a) a set of semiconductor rectifiers, (b) an electrical machine supplying the rectifiers, and (c) an automatic voltage-regulation device. The excitation systems are broken up into three groups: (1) Those based on a commutatorless d-c generator; multiphase generator-armature currents are

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

YUSHMANOV, Yu.I.; PLASTUN, A.T.; NEDOBELYKO, S.I.

Calculation of an asynchronous motor using the "Ural-1"  
computer. Trudy Ural. politekh. inst. no.124:65-69 '62.  
(MIRA 16:8)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PAVLENKO, V.N.; FRAGIN, A.S.

Networks for contactless excitation of synchronous machines.  
Trudy Ural. politekh. inst. no. 138:55-61 '64 (USSR 1961)

KOVYLOV, B.V.; GAVRILOV, B.K.; PLASTUN, A.T.

Single-phase mechanical rectifier with capacitor in the  
excitation circuit of the synchronous motor. Izdat. stral.  
politekh. inst. no.124:16-24 1962. (MIKA 16-2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASTROV, V.F., dotsent kand. voyenno-morskikh nauk, kapitan 1-go ranga;  
KORNEYEV, Yu.M., kapitan 1-go ranga.

New edition of navigation tables. Mor. sbor. 47 no.6:87-90 Je '64.  
(MIRA 18:7)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

MAKOVKIN, L. (Leningrad); PLASTOVSKIY, A. (Leningrad)

A transistor circuit for shaping square pulses. Radio no. 12:22  
D '62. (MIRA 16:3)  
(Pulse circuits)

ANDRIANOVA, I.G., starshiy nauchnyy sotrudnik; BRON, O.B.; ZAKHAROVA, L.G.;  
PLASTOVA, N.F.; RUMYANTSEVA, T.B.

Data on the vitamin C saturation of the blood of donors living in  
various localities of the R.S.F.S.R. Akt,vop.perel,krovi no.4:21-  
23 '55. (MIRA 13:1)

1. Fiziko-khimicheskaya laboratoriya Leningradskogo instituta pereli-  
vaniya krovi (zav. laboratoriyyey - prof. A.P. Vishnyakov).  
(ASCORBIC ACID) (BLOOD)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASTINOV, A.B. (L'vov)

Some sequelae of abortion and prevention of pregnancy. Fel'd. i  
akush. 26 no.9:37-41 S '61. (IIA 1A:1C)  
(ABORTION--COMPLICATIONS AND SEQUELAE)

PLASTININA, Z.V.  
DZIDZIGURI, T.D.; PLASTININA, Z.V.

Modification of secretory and motor functions of the stomach following  
conservative therapy of peptic ulcer. Trudy Inst. fiziolog. 3:260-267  
'54.  
(MIRA 8:2)

I. Laboratoriya kortiko-viatsetal'noy patologii, zaveduyushchay  
I.T.Kurtsin. Klinicheskij sanatorij zheludochno-kishechnykh zabolева-  
niy VTS SPS, Leningrad.

(PEPTIC ULCER, therapy,

conservative techniques, eff. on motor & secretory funct.  
of stomach)

SHIPITSYN, S.A.; PIASTININ, V.V.

Determination of the plasma temperature of an electric arc.  
Izv.vys.ucheb.zav.; fiz. no.6:169-171 '59. (MIR 13:6)

1. Irkutskiy gosuniversitet imeni A.A.Zhdanova.  
(Plasma (Ionized gases)) (Temperature--Measurement)  
(Electric arc)

PLASTININ, V.

Skating - Competitions

For out country, Mol. kolkh, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASTININ, S.

Greater State Bank control over wage fund disbursements. Den. i kred.  
12 no.6:37-40 D 154. (MIRA 5:4)  
(Banks and banking) (Wages)

PLASTININ, P. D.

PLASTININ, P. D. -- "Sheksna River Region Breed of Pigs and Means for Its Amelioration." \*(Dissertations For Degrees In Science and Engineering Defended At USSR Higher Educational Institutions)(30) All-Union Sci Res Inst of Animal Husbandry, Vologda, 1955

SO: KNIZHNAYA LETOPIS' No 30, 23 July 1955

\* For the Degree of Candidate in Agricultural Sciences.

6

SEMENKO, B.A., inzh.; PLASTININA, I.G., inzh.

Effective means of keeping dust down on roads in open pits. Gor. zhur  
no.4:68-69 Ap '63.  
(MIKA 16:4)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy  
promyshlennosti, Sverdlovsk.

(Mine dusts---Prevention)

PLASTININA, L.A.

GOL'DFEL'D, S.M.; VAYSBUT, A.M.; PLASTININA, L.A.

Effect of carbon particles on the lubrication of engines.  
Avt.i trakt.prom. no.3:27-29 Mr '57.

(MLRA 10:5)

1. Odesskiy elekrotekhnicheskiy institut svyazi.  
(Automobiles--Lubrication)

Various filtering systems of communication equipment

ASSOCIATION: Odesskiy elektrotekhnicheskiy Institut svyazi (Odessa Electrical  
Technical Institute of Communications).

Card 172

A

AUTHOR: Goldfeld'd, S.M., Tsyben, A.K. and Ponomarenko, A.S.

TITLE: Various Filtering Systems of oil-cleaning in Engines  
(Ochistka nafty v dvizhatelyakh pri razlichnykh sistemakh filtratsii)

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr. 2, pp. 11-14 (RUSS)

ABSTRACT: The article deals with various oil filtering systems of internal combustion engines. These systems reduce the wear on piston rings, cylinders, and on lead-bronze bearings in connecting rods. The tests were conducted by the Odessa Electrotechnical Institute of Communications, with the "D-54" four-cycle engines and with the "YAMZ-214" and "YAMZ-206" two-cycle engines. The results reveal that deterioration of moving parts depends largely on the degree of wear and water in the oil, and on the size of particles suspended in it. As countermeasures, various filtering systems were tested including one with a magnetic separator of tiny particles. The best results were obtained with systems using reactive centrifuges and ASFO-type filters. There are 4 tables, 1 graph, and 3 Soviet references.

GOL'DFEL'D, S.M.; VAYSBUT, A.M.; PLASTININA, L.A.

Oil cleaning in engines with various filter systems. Avt.prom. no.2:  
11-13 F '59.  
(MIRA 12:3)

1. Odesskiy elektrotekhnicheskiy institut svyazi.  
(Automobiles--Engines--Oil filters)

L 00824-67

ACC NR: AT6022645

violet system  $CN(\phi)(B^2\Sigma^+-X^2\Sigma^+)$ ; red system  $CN(K)(A^2\Pi-X^2\Sigma^+)$ ; second positive system  $N_2(2+)(C^3\Pi_u-B^3\Pi_g)$ ; first positive system  $N_2(1+)(B^3\Pi_g-A^3\Sigma^+)$ ; Swann system  $C_2$  (Sw) ( $d^3\Pi_g-a^3\Pi_u$ ); the Lyman-Birge-Hopfield system  $N_2(L)(a^1\Pi_g-X^1\Sigma_g^+)$ , and Meinel system  $N_2^+(M)(A^2\Pi_u-X^2\Sigma_g^+)$ . Orig. art. has: 17 figures, 3 tables, and 13 formulas.

SUB CODE: 07/ SUBM DATE: None/ ORIG REF: 014/ OTH REF: 034

Card 2/2 fv

L 00824-67 EWT(m)/EWP(j)/T/EWP(t)/ETI IJP(c) JD/WW/JW/GD/RM  
 ACC NR: AT6022645 SOURCE CODE: UR/0000/66/000/000/0041/0061

AUTHOR: Plastinin, Yu. A.; Baula, G. G.

ORG: none

41

B71

TITLE: Absorption cross sections of electronic band systems of the diatomic molecules N<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub><sup>+</sup>, NO, C<sub>2</sub>, and CN at high temperatures

SOURCE: AN SSSR. <sup>15</sup> Energeticheskiy institut. Issledovaniya po fizicheskoy gazodinamike (Studies of physical gas dynamics). Moscow, Izd-vo Nauka, 1966, 41-61.

TOPIC TAGS: electron spectrum, diatomic gas, diatomic molecule, oxygen, nitrogen, carbon, cyanogen

ABSTRACT: In view of the need for absorption cross sections of electronic band systems of the diatomic molecules N<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub><sup>+</sup>, NO, C<sub>2</sub>, and CN in calculations of the radiation energy of hot gases, these cross sections were calculated over a wide temperature range, T = 2000-20,000°K. Since at such temperatures the electronic band systems consist of a very large number of rotational lines, in order to simplify the calculations it was assumed that the rotational lines overlap completely and form a continuum, and the summation over a discrete series of lines was replaced by integration with respect to the electronic-vibrational bands. Matrix elements of the following electronic band systems are considered: system O<sub>2</sub> (III-P)(C<sup>3</sup>Σ<sup>-</sup><sub>u</sub>-X<sup>3</sup>Σ<sup>-</sup><sub>g</sub>); β-system NO(B<sup>2</sup>Π-X<sup>2</sup>Π); γ system NO(A<sup>2</sup>Σ<sup>+</sup>-X<sup>2</sup>Π); first negative system N<sub>2</sub><sup>+</sup>(1-)(B<sup>2</sup>Σ<sup>+</sup><sub>u</sub>-X<sup>2</sup>Σ<sup>+</sup><sub>g</sub>);

L 43158-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) AT/JD/10  
ACC NR: AT6022644 SOURCE CODE: UR/0000/66/000/000/0034/0040

AUTHOR: Nikolayev, V. M.; Plastinin, Yu. A.

ORG: none

TITLE: Calculations of photoionization cross sections of nitrogen and oxygen atoms and ions in excited states

SOURCE: AN SSSR. Energeticheskiy institut. Issledovaniya po fizicheskoy gazodinamike (Studies of physical gas dynamics). Moscow, Izd-vo Nauka, 1966, 34-40

TOPIC TAGS: photoionization, oxygen, nitrogen, ionization cross section

ABSTRACT: The quantum defect method was used to calculate the photoionization cross sections of nitrogen and oxygen atoms in the spectral range  $\lambda > 0.12 \mu$ , which corresponds to photoabsorption from excited states. The calculations, in which use was made of level energies given by C. Moore (Atomic Energy Levels - Circular NBS 467, Washington, 1949), were carried out for NI and OI atoms and NII and OII ions for temperatures ranging from 8,000 to 20,000°K. The results obtained are compared with data reported in the literature, and the advantages of the selected technique are discussed. Orig. art. has: 10 figures and 9 formulas.

SUB CODE: 20/ SUBM DATE: 31Feb66/ ORIG REF: 005/ OTH REF: 004

Card 1/1 MLP

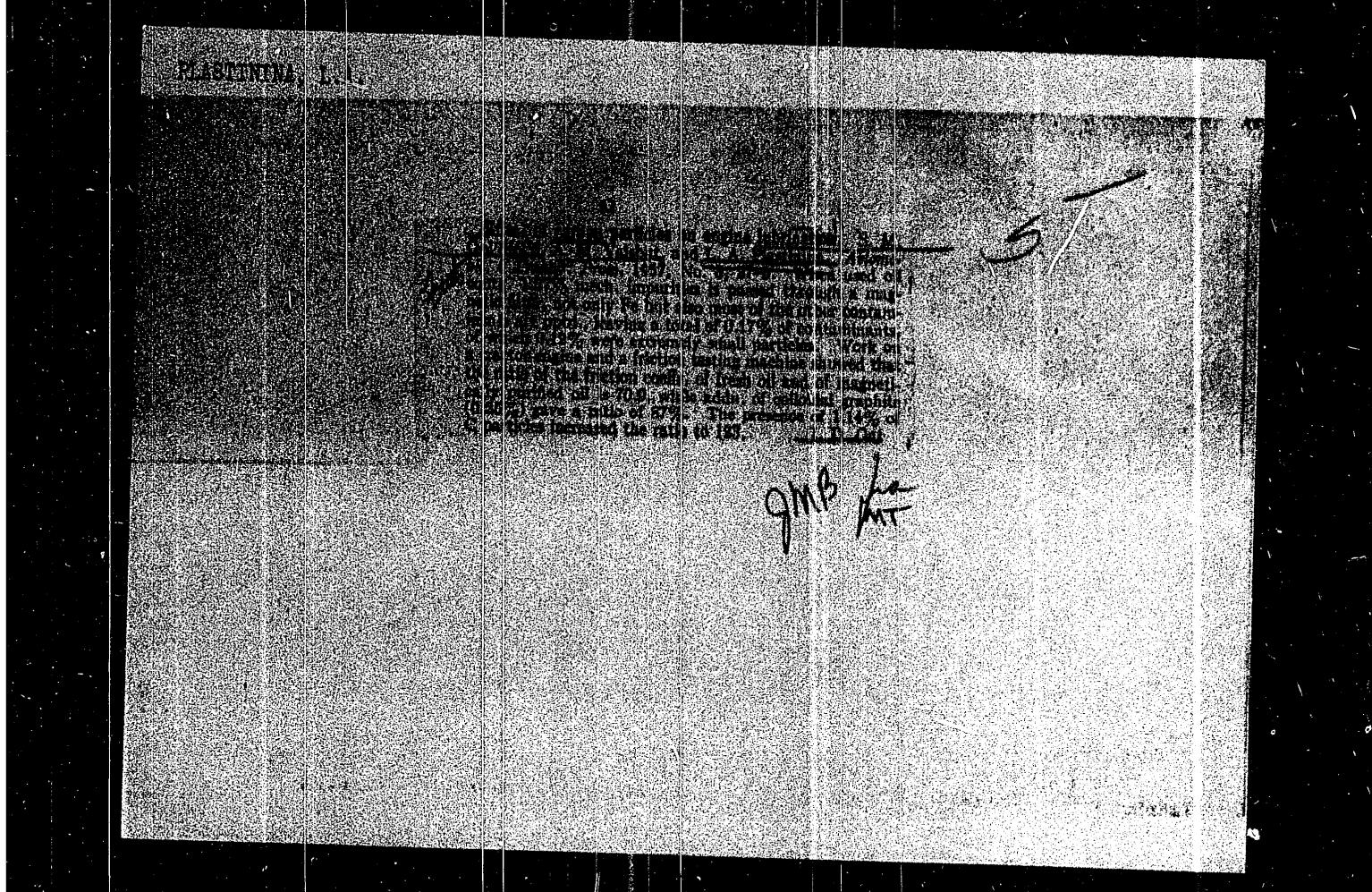
PLASTININ, V.Ye., inzh.

Performance calculations for reels. Mekh. i elek.sots.sel'khoz.  
no.4:27-30 '57.  
(MIRA 12:4)

1. Leningradskiy sel'skokhozyaystvennyy institut.  
(Harvesting machinery)

PLASTININ, V. Ye. Cand Tech Sci -- (diss) "Study of the operating process  
of the reels of grain-harvesting machines." Len, 1957. 19 pp (Len Agr Inst.  
Chair of Agr Machines), 200 copies (KL, 3-58, 97)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6



PLASTININ, V.V.

Reabsorption. Izv. vys. ucheb. zav.; fiz. no.2:174-175 '58.

(MIRA 11:6)

1. Irkutskiy gosuniversitet im. A.A. Zhdanova.  
(Absorption)

PLASTININ, V.V.; priniimala uchastiye: CHERNENKO, A.I.

Spectral analysis of mica for alkali metals. Zav.lab. 27  
no.7:856-857 '61.  
(MIRA 14:7)

1. Irkutskiy gosudarstvennyy universitet imeni A.A. Zhdanova.  
(Mica--Spectra) (Alkali metals--Spectra)

ROSTOV P., V. V.; VORONIN, V. V.

Chemical reactions in spectrum analysis. Izv. vuz. neorg. khim.  
fiz no.6(176-177-6). (BZh. 15:1)

1. Irkutskiy gosudarstvennyy universitet imeni Shchanceva.  
(Chemical reactions) (Spectrum analysis)

69168  
S/139/59/000/06/027/034  
E201/E191

Determination of the Temperature of an Electric-Arc Plasma

expressions are listed in the second and third rows of Table 1, and in Fig 1 they are represented by the lines 1 and 2 respectively. The present authors point out that the absolute temperatures determined using either of Kolesnikov and Bogdanova's equations coincide within experimental error; for example, for a silicon base at  $I = 14$  amp the absolute temperatures determined using the 5105-5153 and 5105-5218(20) pairs were 5600 and 5480 °K respectively. The authors used the graph of Fig 1 to study the distribution of temperature in an arc plasma in mutually perpendicular directions. In the radial direction a spectrograph ISP-22, rotated by 90°, was employed. It was found that there were no appreciable gradients in the axial and radial directions of the middle portion of the plasma and the mean error in determination of temperature using the arc and spark lines of vanadium and the graph of Fig 1 was found to be  $\pm 3.44\%$  compared with the mean error of  $\pm 10.4\%$  in the case of temperature measurements using the arc lines of copper.

There are 1 figure, 1 table and 7 references, of which 6 are Soviet and 1 Dutch. ✓

Card  
3/4

69163  
2011/09/00/06/027/034  
E201/E191

Determination of the Temperature of an Electric-Arc Plasma  
5153 Å lines are related to the absolute temperature  $T$   
by:

$$T = \frac{27400}{3.28 + 2.3 \log \frac{I_{5105}}{I_{5153}}} \quad (1)$$

and according to Kolesnikov and Bogdanova (Ref 5) the  
following relationship holds:

$$T = \frac{27616}{4.19 + 2.3 \log \frac{I_{5105}}{I_{5153}}} \quad (1)$$

The latter authors (Ref 5) give also a relationship

$$T = \frac{27616}{4.91 + 2.3 \log \frac{I_{5105}}{I'_{5218}}} \quad (2)$$

where  $I'_{5218}$  is the total intensity of two copper lines  
at 5218.20 Å and 5220.07 Å. The absolute tempera-  
tures calculated using Belyakov-Bodin and Mandel'shtam's  
(Ref 1) and Kolesnikov and Bogdanova's (Ref 5)

69168

24.2120

S/139/59/000/06/027/034  
E201/E191

AUTHORS: Shipitsyn, S.A., and Plastinin, V.V.

TITLE: Determination of the Temperature<sup>21</sup> of an Electric-Arc  
Plasma<sup>21</sup>

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika,  
1959, Nr 6, pp 169-171 (USSR)

ABSTRACT: Temperatures of the discharge plasma in an electric arc can be determined from the ratio of intensities of the arc and spark lines. The authors constructed a graph (Fig 1) which represents the logarithm of the ratio of the intensities of the arc and spark lines of vanadium (V II at 3110.71 Å and V I at 3185.40 Å) as a function of the reciprocal of the absolute temperature. This ratio of intensities is also given in Table 1 (the upper row). All these values refer to vanadium concentrations of 0.02%. Since the transition probabilities of copper lines are known with greater certainty than those of other atoms (Ref 5), the absolute temperatures used in Fig 1 were determined from the intensities of the copper lines at 5105.54, 5153.24, 5218.20 and 5220.07 Å. According to Belyakov-Bodin and Mandel'shtam (Ref 1) the intensities of the 5105 and

Card  
1/4

✓

Spectral Analysis of Micas

SOV/32-25-5-19/56

analytical errors are given (Table 5). There are 3 figures,  
5 tables, and 9 references, 7 of which are Soviet.

ASSOCIATION: Irkutskiy gosudarstvennyy universitet im. A. A. Zhdanova  
(Irkutsk State University imeni Zhdanov)

Card 3/3

## Spectral Analysis of Micas

SGV/32-25-5-19/56

(Table 3). The presence of different elements and compounds influences the evaporation rate of the sample strongly (Ref 3) as could be observed also in the present case. The data obtained agree well with those by Ya. D. Raykhbaum and Ye. S. Kostyukova, which experiments were carried out at the Irgiredmet. The accuracy of the method introduced is substantiated by a comparison of the determinations of Fe, Si, Al and Mg with chemical analysis results (Table 4). The method is applied to the quantitative determination of the above-mentioned elements in micas of Siberian deposits. The analytical course is described and mention is made that a spectrograph Ye-492 and ISP-22 is used, the ray source being an arc generator DG-1, photofilms of the "spectral type II" are used as well as a microphotometer MF-2. With a higher concentration analyses were carried out with the spark generator on briquetted samples. It is pointed out that a melting of the sample should be carried out prior to briquetting. Also the working technique of this analytical method is given and it is mentioned that a spectrograph ISP-22 was used as well as a spark generator IG-2 as ray source. The spectral lines used for the analysis as well as the probable

Card 2/3

5 (2)

AUTHOR:

Plastinin, V. V.

SOV/32-25-5-13/56

TITLE:

Spectral Analysis of Micas (Spektral'nyy analiz slyud)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 577-580 (USSR)

ABSTRACT:

A method was devised for the quantitative determination of Al, Si, Mg, Fe, Mn and Ca in mica under utilization of an AC arc and spark generator. According to data contained in publications and qualitative analyses micas contain: 36-53 %  $\text{SiO}_2$ , 10-46 %  $\text{Al}_2\text{O}_3$ , 0.1-15 %  $\text{Fe}_2\text{O}_3$ , 0.1-3.0 % CaO, 0.1-29.0 % MgO and 0.0-2.3 % MnO for which reason standard samples of a corresponding composition (Table 1) were chosen. Cobalt proved to be the most suitable comparative element. Analytical wavelengths and individual data are given (Table 2). The reproducibility of the method was tested on 50 parallel experiments and the accuracy by a comparison with chemical analytical results which were put at disposal by the laboratory of the "VNIIAsbesttsement" (Moscow), in which connection a systematic error was found in the  $\text{SiO}_2$  determination. The right selection of the standard samples is confirmed by a comparison with phlogopite and Muscovite

Card 1/3

PIASTININ, V.V.

Determining the temperature of arc-discharge electrodes. Izv.  
vys.ucheb.zav.; fiz. no.2:173-174 '59. (MIRA 12:8)

1. Irkutskiy gosuniversitet im. A.A.Zhdanova.  
(Electrodes) (Electric arc)

PLASTININ, V. V., Cand Phys-Math Sci -- (diss) "Utilization of alternating current arc in the spectral analysis of mice." Tomsk, 1965. 9 pp; (Tomsk State Univ im V. V. Kuybyshev); 150 copies; price not given; (KL, 26-60, 130)

245500

65729

SOV/139-59-2-28/30

AUTHOR: Plastinin, V.V.  
TITLE: Determination of the Electrode Temperature in an Arc Discharge

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1959,  
Nr 2, pp 173-174 (USSR)

ABSTRACT: The temperature distribution has been determined experimentally using a photopyrometric method. The connection between the photographic density and the temperature was obtained with the aid of a standard body in the form of a carbon rod. A current of 50 to 60 amp was passed through the rod and heated it to the required temperature which was then measured by an optical pyrometer of the disappearing filament type. The system was such that the electrodes could be photographed during the firing process through a filter. The electrode temperatures were measured at distances greater than or equal to 2 mm from the end of the electrode. It was found that the temperature distribution is of the form

$$T = T_0 e^{-\frac{t}{\tau} + \gamma x}$$

Card 1/2 where  $t$  is the time. The parameter  $\gamma$  is a function of

PLASTININ, V.

For continuous improving of planning, accounting and record keeping  
in the grain milling industry. Muk.-elek. prom. 26 no.9:22-23 S '60.  
(MIRA 13:9)

1. Glavnny bukhgalter Permskogo mel'kombinata.  
(Grain milling)

GOLOVINTSOV, A.G., doktor tekhn. red., prof. [deceased]; ROMANTOVYI,  
V.A., dots.; ALIAZEM, V.I.; BUDNI, T.V.; GLAZINTOV, P.I.;  
SUSLOV, A.B.; FEDOROV, V.M.; YAKIMOVICH, V.V.; STRAKHOVICH, K.F.,  
doktor tekhn. nauk, prof., rektorenz; PALEVYEV, N.M., inzh., red.

[Rotary compressors] rotatsionnye kompreessory. [By] A.G.  
Golovintsov i dr. Moskva, Izd-vo "Mashinostroenie," 1964.  
314 p.

(MIRA 17;7)

1. Fakultet teplovyyki i gipotekhnicheskikh mashin Moskovskogo  
vyshego tekhnicheskogo nauchnogo imeni N.Ye. Baumana  
'for all except Strakhovich, Paleyev'.

YEMEL'YANOV, A.S., doktor sel'skokhozyaystvennykh nauk.; PLASTININ, P.D.,  
kand. sel'skokhozyaystvennykh nauk, zasluzhennyi zootekhnik RSFSR;  
ROZOV, N.N., kand. sel'skokhozyaystvennykh nauk

Interesting book on the history of Russian stockbreeding ("The history  
of Kholmogory cattle" by F.I.Reznikov. Reviewed by A.S.Ber'ianev,  
P.D.Plastinin, N.N. Rozov). Zhivotnovodstvo 29 no. 7:86-97 JI '58.  
(MIRA 11:9)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh  
nauk im. V.I.Lenina (for Yemel'yanov).  
(Dairy cattle)  
(Reznikov, F.I.)

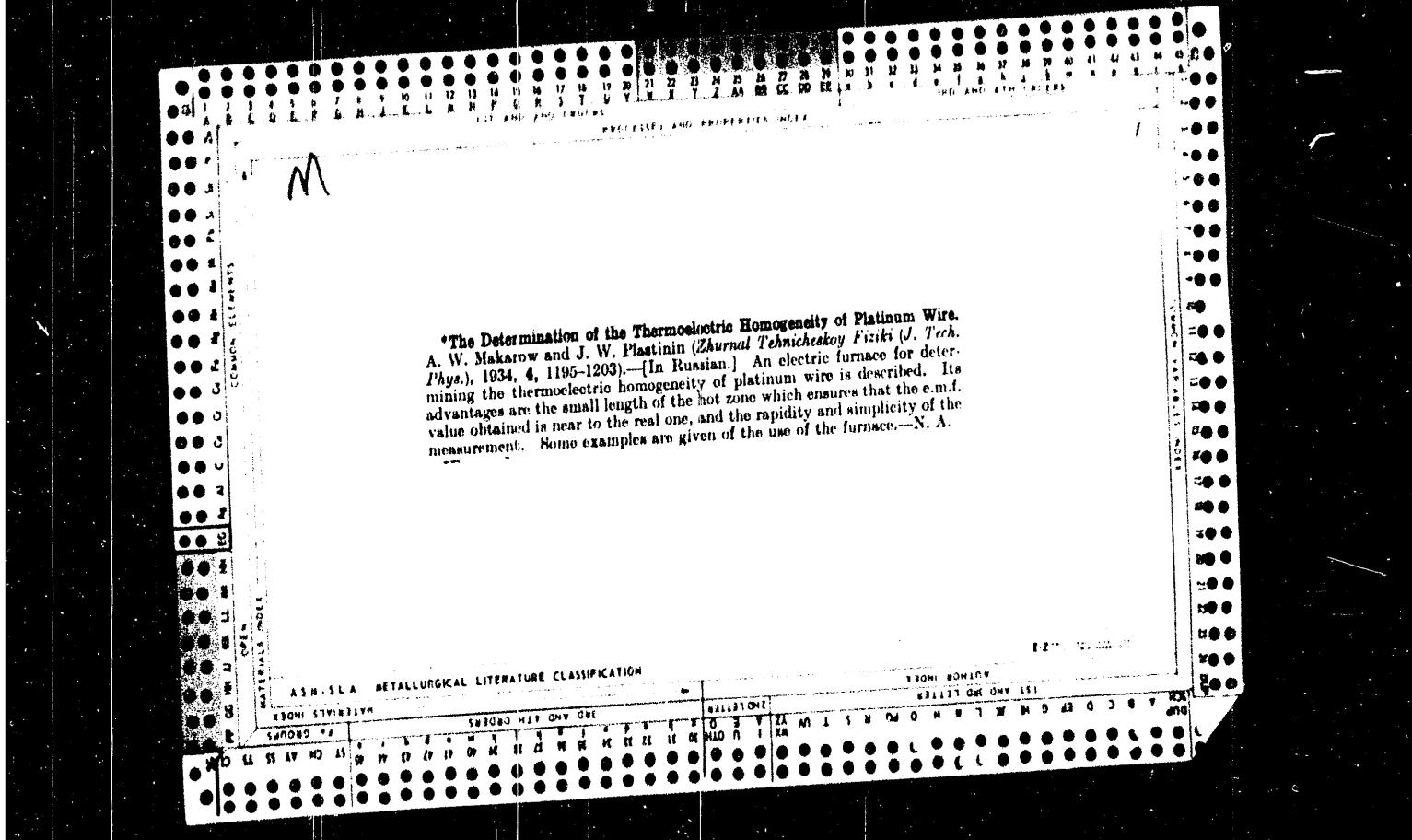
LEBDEV, A.D.; MOSYAKOVA, T.F.; TRUSOVA, N.D.; PLASTININ, N.A.

Compound use of the fruit of the dog rose. Trudy 7NIVI 6:115-  
116 '59. (MIRA 13:?)

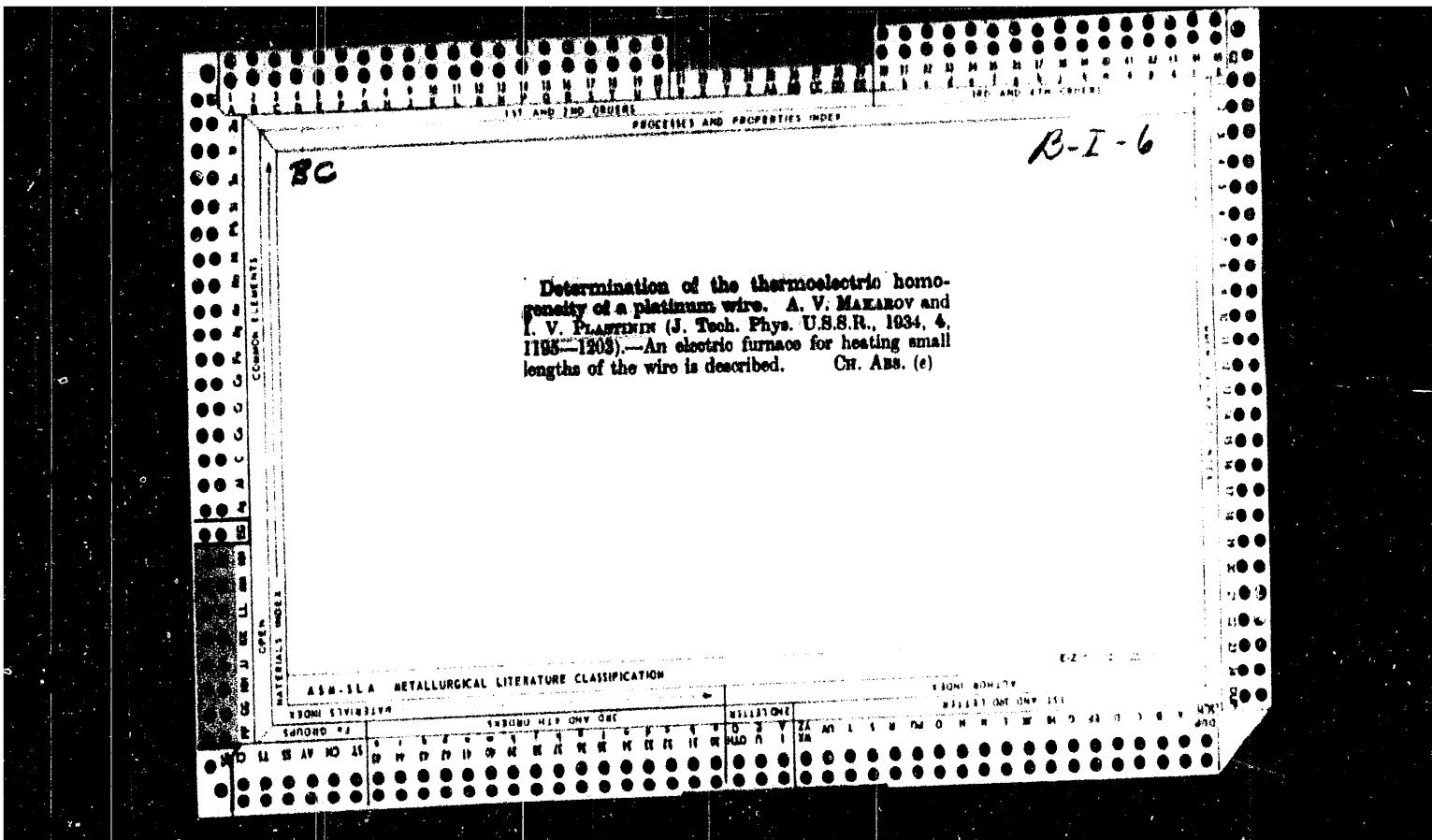
1. Yoshkar-Olinskiy vitaminnyy zavod.  
(ROSE)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

\*The Determination of the Thermoelectric Homogeneity of Platinum Wire.  
A. W. Makarov and J. W. Plastinin (*Zhurnal Tekhnicheskoy Fiziki (J. Tech. Phys.)*, 1934, 4, 1195-1203).—[In Russian.] An electric furnace for determining the thermoelectric homogeneity of platinum wire is described. Its advantages are the small length of the hot zone which ensures that the e.m.f. value obtained is near to the real one, and the rapidity and simplicity of the measurement. Some examples are given of the use of the furnace.—N. A.



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

Determination of the thermoelectrical homogeneity of a platinum wire. A. V. Mikatov and I. V. Plastinin. *Izv. Akad. Nauk SSSR, Ser. Fiz.* 1956, No. 4 (1957). An electric furnace is described which is used to test the thermoelectric homogeneity of a Pt wire. The small length of the heated part of the wire makes it possible to obtain the value of  $\alpha$  in  $\text{m}^{-1}$  nearer the true value, and the measurements are rapid and simple. Examples are given for application of the furnace. Eino Hanninen.

AMSLA - METALLURGICAL LITERATURE CLASSIFICATION

CSC-Agency  
Central Security Agency

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASTININ, L.A.

Geographic names occurring in the southern part of Eastern Siberia.  
Geod. i kart. no.10;63-65 0 '63. (MIRA 16:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

SALUKVADZE, V.S.; KONDRAT'YEV, B.V.; PLASTININ, B.N.

Protective coating of steel pipes. Stal' 23 [i.e. 24] no. 42  
340-342 Ap '64. (MIKA 1788)

KOPYRIN, I. A.; BYALYY, L. A.; OSTROUKHOV, M. Ya.; VOZNESENSKIY, V. A.;  
KUDRYAVTSEV, A. V.; PLASTININ, B. G.

Investigating the gas dynamics of the blast furnace process  
with use of helium. Izv. vys. ucheb. zav., chern. met. 5 no.12:  
29-40 '62. (MIRA 16:1)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii  
i Orsko-Khalilovskiy metallurgicheskiy kombinat.

(Blast furnaces--Models) (Gas dynamics)

KOPYRIN, I.A.; V'YUNOV, P.P.; PLASTININ, B.G.

Investigating the reduction process of native-alloy cast iron.  
Stal' 23 no.10:884-887 O '63. (MIRA 16:11)

1. Chelyabinskii nauchno-issledovatel'skiy institut metallurgii i  
Orsko-Khalilovskiy metallurgicheskiy kombinat.

KOPYRIN, I.A.; OSTROUKHOV, M.Ya.; BYALYY, L.A.; VOZNESENSKY, V.A.; PLASTININ, B.G.;  
Prinimali uchastiye: KUDRYAVTSEV, A.V.; CHIRKOV, G.G.; BRADCHENKO, V.P.

Investigation of gas dynamics in the blast furnace process using  
helium. Izv. AN SSSR. Otd. tekh. nauk. Mat. i topl. no. 5:22-28 S-0 '62.  
(MIRA 15:10)

(Blast furnaces)

(Gas dynamica)

AL'SHEVSKAYA, A.Ira. [deceased]; BRAILENKO, V.P.; BUL'SHAKOVA, L.I.; FOMIN, I.A.; NEKRASOV, V.G.; PLASTNIK, B.C.; RODYONOV, N.Y.; TURKALEV, S.V.

Analysis of the performance of the progressive plant (1960).  
(Metal 1961)  
Metallurg 9 no.11:4-8 D 1961.

1. Dnepro-Khar'kovskiy metallurgicheskiy kombinat (Dnepro-Kharkovskiy  
nauchno-issledovaniiskiy in-tivod metallurgii).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASTININ, Arkadiy Ivanovich; SEMENOV, S.M., red.; MALEK, Z.N., tekhn. red.

[Story of the chairman of a plant's trade-union committee] Povest'  
o predsedatele zavkoma. Moskva, Izd-vo VTsSPS Profizdat, 1961. 135 p.  
(MIRA 14:7)

(Kiev--Trolley buses) (Trade unions)

VER, Anna Yakovlevna; PLASTININ, Arkadiy Ivanovich; SLIN'KO, B.I.,  
red.; LEUSHCHENKO, N.L., tekhn. red.

[Petro Stepanchuk, construction worker] Budivel'nyk Petro  
Stepanchuk. Kyiv, Derzh. vyd-vo lit-ry z budivnytstva i arkhit.,  
USSR, 1961. 40 p. (MIRA 15:2)  
(Kiev--Construction industry)

PLASTININ, A. (Kiyev)

There will be no report. Sov. profsciuz 18 no.18:26 S '62.

1. Neshtatnyy korrespondent zhurnala "Sovetskiye profsoyuzy".  
(Rakitnoye District (Kiev Province)--Trade unions)

L-61842-65

ACCESSION NR: AP5015020

3

ed seam. A large dendritic zone was observed next to the base metal. Type AH-26 flux was used, which was preliminarily heated for 2-3 hrs at 300-400°C, and introduced into the welding arc by compressed air. Some comments are made about the design of the welding apparatus, and particularly about the efficient utilization of the flux. On the opposite side of the seam, some non-metallic inclusions were found. Also, any dirt or oil on the edges of the incoming piece resulted in porosity in the final weld. "The authors are sincerely grateful to Doctor of technical sciences D. M. Rabkin and Engineer Kh. S. Proshchitskiy for extended assistance in the performance of the present work." Orig. art. has: 4 figures.

ASSOCIATION: Institut elektrosvarki im. Ye. O. Patona AN UkrSSR (Institute of Electric Welding, AN UkrSSR)

SUBMITTED: 23Jul64

ENCL: 00

SUB CODE: MM, IE

NO REF Sov: 004

OTHER: 000

LMW  
Card 2/2

L-1502-65 ENT(m)/EWP(w)/EWA(d)/EWP(e)/EWP(v)/T/EWP(t)/EWP(k)/EWA(h)/EWA(c)  
T-1502-65 EWP(c) 10/10/65/65/65

ACCESSION NR AB5016020

UN/0125/65/000/006/0062/0064  
611.791 0 : 621.9-462

AUTHOR: Tsvetkov, I. L. (Engineer, Verkhnyaya Salda); Fiamatinin, A. I. (Engineer, Verkhnyaya Salda); Korenyuk, Yu. M. (Engineer)

TITLE: Flux welding of thick copper tubes

SOURCE: Avtomaticheskaya svarka, no. 6, 1965, 62-64

TOPIC TAGS: welding technique, weld microstructure, copper alloy, arc welding, tube joint, heat conductivity

ABSTRACT: Copper alloyed with 0.4-1.0% Cr is known to possess good strength at high temperatures, along with its high heat conductivity. In this study, tubes were welded from the above alloy using a vitreous flux. Welding conditions are listed along with pertinent data for single pass arc welding. The dependence of the welding current on metal thickness is linear; this current is lowered when the welding speed is decreased below the maximum possible speed. Arc stability regions are graphically shown on curves relating welding current to electrode diameter. A macrograph of the welded region is presented, along with a photograph of the finish.

Card 1/2

PLASTIN, L.M., kandidat tekhnicheskikh nauk.

Calculating the characteristics of low-capacity single-phase synchronous generators operating in an arrangement for output voltage stabilization. Vest. elektroprom. 27 no.11:40-47 N '56. (MLRA 9:12)

1. Nauchno-issledovatel'skiy institut Ministerstva elektropromyshlennosti.

(Electric generators)

PLASSMANN, E.

Activity measurements of rotary kilns during production. Tr. from the German. p. 58.

CEMENT, WAPNO, GIPS. (Wydawnictwo "Budownictwo i Architektura") Krakow, Poland. Vol. 13, no. 4, Apr. 1957.

Monthly list of East European Acquisitions Index (EEAI), LC, Vol. 8, no. 5, June 1959  
unclia.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASS, R., dr.

The time concept of Reptilia; a Utopian story. Fiz szenle 15 no.4:  
123-124 Ap '60.

PLASS, G.N.

Carbon dioxide and climate. Priroda 49 no. 12:40-46 D '60.

(Carbon dioxide) (Climatology) (MIRA 13:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASS, EMANUEL.

Agrotechnicke pokyny pro mnozeni zeleninovych semen.  
(1. vyd.) Praha, Statni zemedelske makl., 1954. 99 p.

SOURCE: EEAR LC No. 10 Vol. 5 Oct. 1956

Country : Czechoslovakia    N  
Category : Weeds and Their Control  
  
Abs. Jour.: Ref. Zhur.-Biologya No. 11, 1958, No. 49212  
  
Author : Pless, Emanuel  
Institute : Not given  
Title : Greater Attention Focussed on Weed Control In  
Vegetable Seed Plantings

Orig. Pub.: Ovocnář. a zelinář., 1957, 5, No. 6, 186-187

Abstract : No abstract

Card: 1/1

# 171

CZECHOSLOVAKIA/Cultivated Plants - Potatoes, Vegetables, Herbs.

Abs Jour : Act. Agric. & Biol., No. 1, 1932

Author : Rizner, R.

Inst : -

Title : Further Consideration of the Onion Seed Supply.

Orig pub : Osvobozeni a zelniční, 1931, No. 3, 149-150.

Abstract : The agricultural situation, a soil analysis in Czechoslovakia and the protection of plants against fungal diseases are described in this paper.

PLASKURA, Wladyslaw; LADOWSKI, Zdzislaw

Ten years of development of the industry of fundamental products  
of chemical synthesis (1951-1960). Przem chem 41 no.7:345-348  
Jl '62.

1. Zjednoczenie Przemyslu Syntezy Chemicznej, Warszawa.

PLASKURA, Wladyslaw

The Polish nitrogen industry. Magy kem lap 16 no.11:492-495 S '61.

l. Szervetlen Vegyipari Troszt, Gliwice.

PLASKURA, W.

PLASKURA, W. The West European chemical industry; some developmental trends and achievements. (To be contd.) p. 283

Vol. 9, no. 10, Oct. 1956

CHEMICKA

SCIENCE

Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

Plaskura, W.

POLAND/Chemical Technology. Chemical Products and Their Application. J-1  
General Problems.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27395

Author : Wladyslaw Plaskura  
Inst : \_\_\_\_\_

Title : Chemical Industry in Western Europe.

Orig Pub: Chemik, 1956, 9, No 9, 243 - 248

Abstract: No abstract.

Card : 1/1

PLASKURA, W.; STOPIECKI, T.; RADLINSKI, A.

Development of chemical synthesis in Poland during the last ten years.

p. 397  
Vol. 11, no. 8, Aug. 1955  
PRZEMYSŁ CHEMICZNY  
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2  
Feb. 1956

A. RADLINSKI, W. PLASKURA, T. STOBIECKI:

~~POLAND~~ POLAND

CHEMICAL SYNTHESIS INDUSTRY --- Warsaw, Przemysl Chemiczny, Aug 55.  
Article discusses the large-scale chemical synthesis industry in Poland.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKURA, W.

Economy of metal construction materials in building  
chemical apparatus. W. Plaskura. *Przemysl Chem.* 9,  
106-71 (1959). -The use of appropriate design, protective  
coatings, linings, and plated sheets in the construction of  
chem. app. is discussed. Gene A. Wozny

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKURA, V.

"The start of production establishments." p. 196. (Chemik. Vol. 6, no. 7/8,  
July/Aug. 1953. Katowice.)

SO; Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,  
Feb. 1954, Uncl.

PLASKURA, W.

"Substitute materials and the economy of scarce materials." p.67. "Using proper materials for modern constructions." p.68. (CHEMIK, Vol. 6, no. 3, Mar. 1953, Katowice, Poland.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.

Plaksin, ... , corr Mem Acad Sci USSR

USSR/Mining - Coal, Flotation

Jun 53

"Effect of Slimes on Flotation of Coal Fines," I. N.  
Plaksin, Corr Mem Acad Sci USSR, N. S. Vlasova

Iz Ak Nauk SSSR, OTN, No 6, 882-393

Defining slimes as coal particles smaller than  
0.043mm, investigates floatability of coal fines  
depending on amount of slimes and conditions of  
slime formation, using for expts coal with 12% ash  
and 4.75% S, and utilizing kerosene and pine oil  
as flotation reagents. Presents results of study-  
ing number of factors, such as preliminary stirring

275T53

---

of coal pulp, washing off or addition of slimes,  
increased consumption of collector.

PLASKOWSKI, Zbigniew, mgr inz.

Prestressed prefabricated fermentation chamber for sewage  
purification. Inz i bud 19 no.5:185-191 My '62.

1. Biuro Badawczo-Projektowe Gospodarki Wodnej i Sciekowej  
Przemyslu Chemicznego, Warszawa.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKOWSKI, J.

"A Technical Book assists in Building Socialism." p.286  
(PRZEGLAD ODLEWNICTWA Vol. 3, no. 10, Oct. 1953 Krakow, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Unc1.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKOWSKI, J.

(NAFTA, Vol. 9, No. 10, Oct. 1953, Krakow, Poland)  
"The technical book assists in building socialism." p. 252.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKOWSKI, J.

"The technical book helps in building up socialism" (p. 201). HUTMIK  
(Ponstwowa Wydawnictwa Techniczne) Katowice, Vol. 19, no. 16, Oct. 1957.

SO: East European Acquisitions List, Vol 3, No. 8, Aug. 1958.

PIASKOWSKI, J.

"Research on making magnesium alloys to be used as inoculants for spheroidal cast-iron production. p. 43. (Przeglad Odlewictwa, Vol. 4, no. 2, Feb 54, Krakow)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Unc1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKOWSKI, J.

"Development of technical book production." p. 134. (Przegląd Techniczny, Vol. 74,  
no. 5, May 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Unclassified

PIALOWSKI, J.; RACZKA, J.

PIALOWSKI, J.; RACZKA, J. Modern methods of reading telegraphic messages. . 161.

Vol. 5, No. 6, June 1965

PIALOWSKI, J.

TECHNOL

Praskow, Poland

See: Test Bureau on Accession, Vol. 5, No. 6, c. 1966

PIASKOWSKI, J.

PIASKOWSKI, J. Georg Agricola (1494-1555) and his importance in the  
development of technology. p. 423.

Vol. 76, no. 12, Dec. 1971

TECHNOLOGY  
PRZEGLAD TECHNICZNY  
Warszawa, Poland

See: last document accession, Vol. 5, no. 5, May 1970

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASCOFSKI, J.

PLASCOFSKI, J. Studies on the effect of mixtures including the crystallization of spheroidal graphite in cast iron. p. 125

Vol. 5, no. 4, 1955  
INSTITUTE I POLONIUM  
POLITICAL SCIENCE  
PWN, Warsaw

To: East European Accession Vol. 4, No. 3, March 1957

PLASKOWSKI

Chemical Abst.  
Vol. 48 No. 8  
Apr. 26, 1954  
Metallurgy and Metallography

Carburizing of eutectoid cementite in white cast iron  
(in Polish). *Prace Badawcze Górnictwa Met.*, No. 1,  
pp. 1-12 (1950) (English summary).—A review  
on precipitation (I) of cementite in white cast iron. P.  
resents theory according to which accelerated process of  
I occurs in hypereutectoid Fe-C alloys owing to formation of  
I nuclei at temp. above the crit. point. During cooling  
within the crit. temp. ranges, the cementite of eutectoid  
milk results from decompr. of the austenite and crystal-  
lizes on the above nuclei. I causes an increase in the tensile  
strength of white cast iron from 20-40 to 60-80 kg./sq.  
mm. At the same time elongation may rise to 1.5% and  
the impact strength to 1.5-1.8 kg./sq. cm.; however, Brinell  
hardness falls from 880-920 to 320-380 kg./sq. mm. de-  
pending on rate of cooling.

V. J. Hendel

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKOWSKI, A.

A New Apparatus for Electric Spark Experiments of Volta.  
A. Plaskowski. (Prace Instytutu Matematycznego, 1953, 3, 17,  
pp. 1-10, Polish). A description of the electric circuit of  
the apparatus is given.—v. n.

of  
MET

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PLASKOWSKI, Andrzej

Pneumatic or electric system. Przem chem 41 no.7:343-349 Jl  
'62.

PLASKOWSKI, A.

PLASKOWSKI, A. International Congress on Automation. p. 3.

Vol. 6, No. 10, Oct. 1956  
RADIOMATOR  
TECHNOLOGY  
Warszawa, Poland

So: East European Accession, Vol. 6, No. 2, Feb. 1957

PLOSKOVITOV, M.A.

KOSHELEV, I.I., inzhener; PLOSKOVITOV, M.A., inzhener.

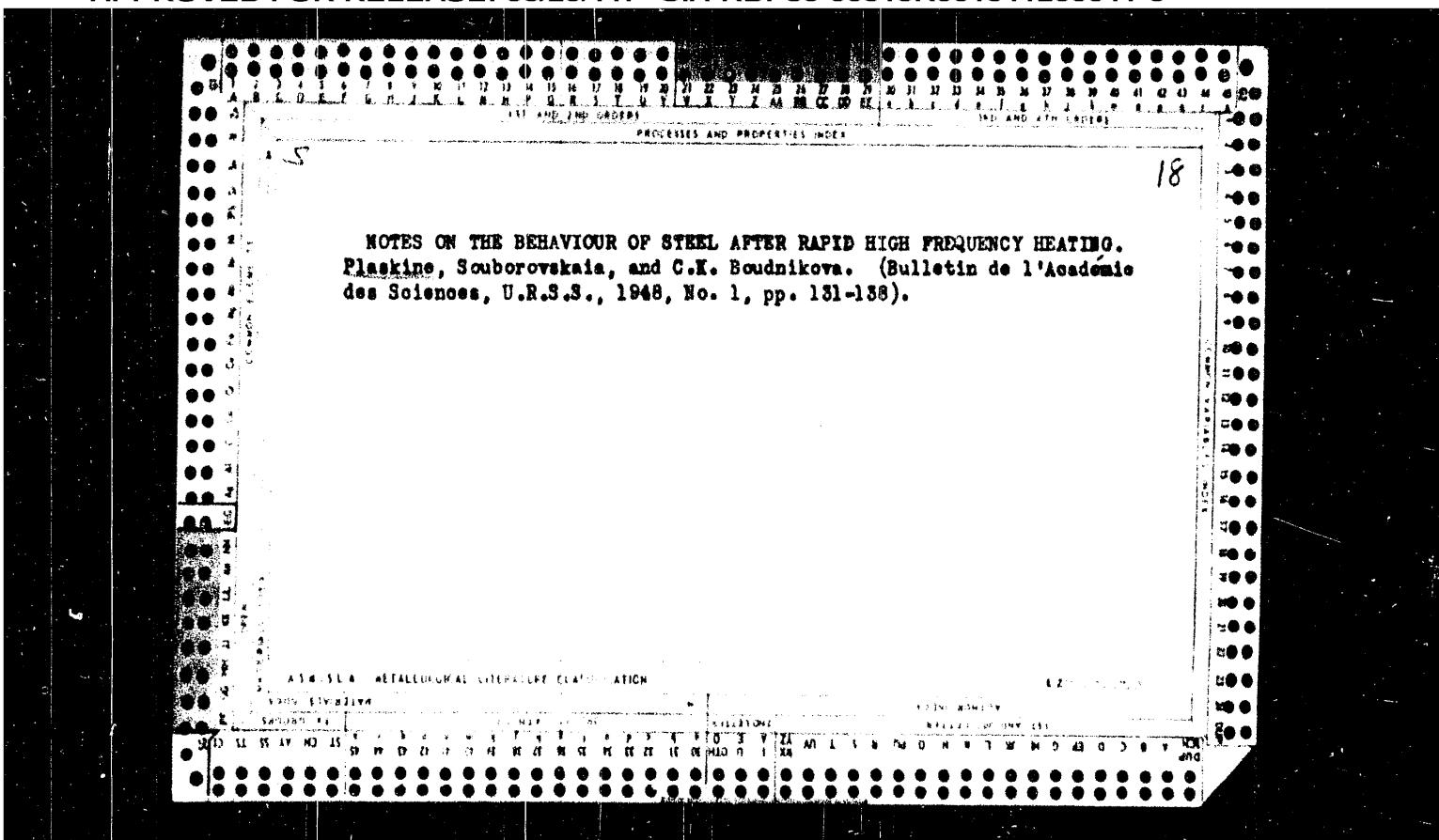
The 68-SP 300/215 once-through-type boiler for very high steam parameters. Teploenergetika 3 no.11:10-18 N '56.

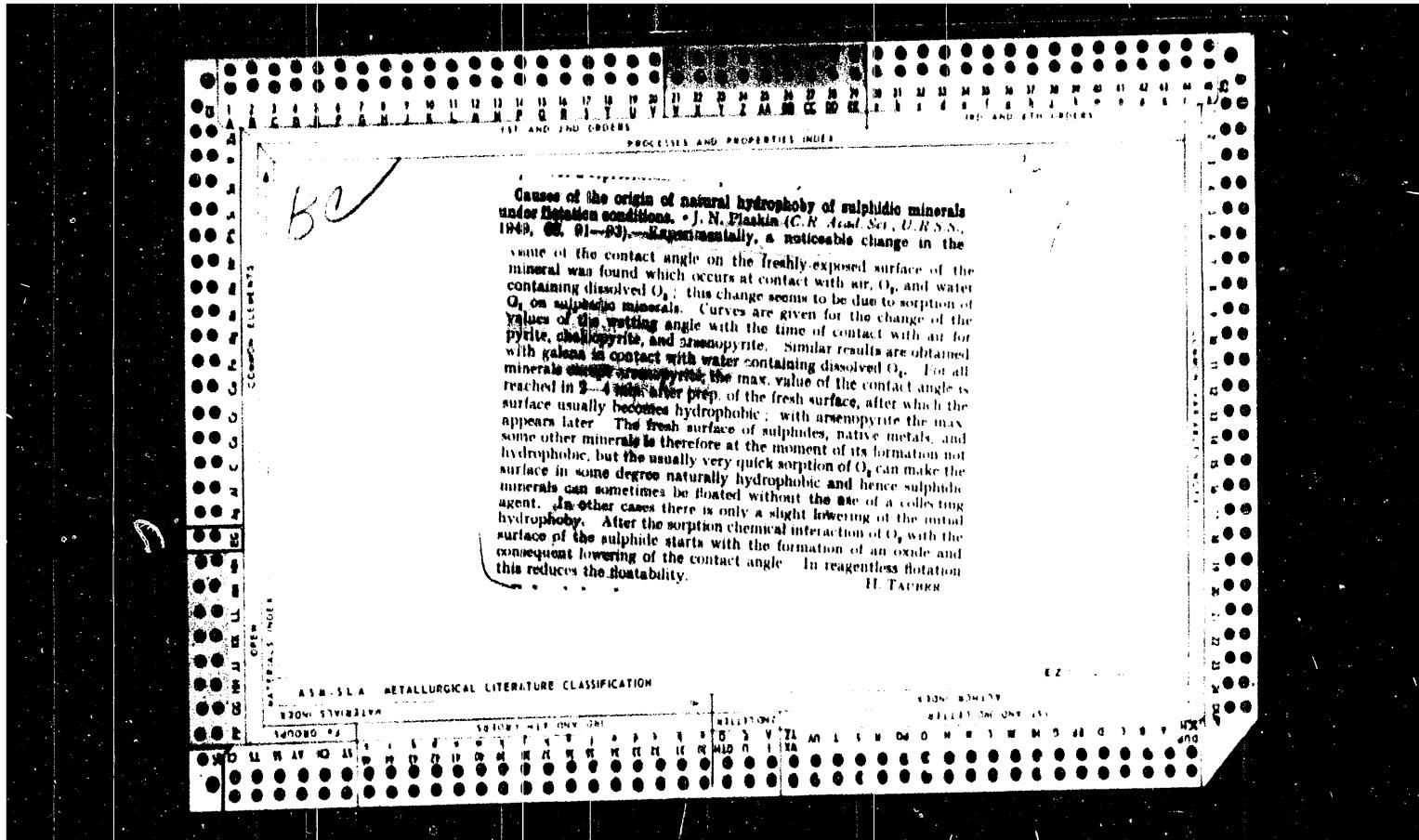
(MLRA 9:12)

1. Moskovskoye otdeleniye TSentral'nogo Kotloturbinnogo instituta.

(Boilers)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6





24-12-24/24

Jubilee Sessions of the Scientific Institutes of the Technical Sciences Division.

E. A. Meyerovich dealt with "The Development of General Methods of Theoretical and Experimental Electrical Engineering in the Work of the Power Research Institute"; M. A. Styrikovich dealt with the "Fundamental trends of the Thermal Power Stations in Conjunction with the Development of the Fuel Bases of the Soviet Union"; Z. F. Chukhanov dealt with the "Power Utilisation of Fuel"; G. N. Kruzhilin dealt with "Power Stations with Water Pool Atomic Reactors"; I. M. Markovich dealt with "Long Distance Power Transmission and Power Systems".

Institute of Automation and Telemechanics.

V. A. Trapeznikov dealt with the "Successes of Automation and Telemechanics During the Last Forty Years".

AVAILABLE: Library of Congress.

Card 5/5

24-12-24/24

Jubilee Sessions of the Scientific Institutes of the Technical Sciences Division.

Academician S. I. Mironov dealt with "Development of Oil Geology During the Last Forty Years";

M. F. Mirchink dealt with the "Increase of the Oil Resources of the Soviet Union During the Last Forty Years";

Academician A. V. Topchiyev dealt with "Certain Problems of the Oil-Chemical Synthesis";

A. P. Krylov dealt with the "Fundamental Principles of a Rational Working of Oil Deposits".

Institute of Radio Engineering and Electronics.

The Vice Minister for Telecommunications, Z. V. Topuria dealt with the "Development of Communications During the Forty Years of Soviet Rule", whilst Yu. I. Kaznacheyev dealt with "Wide-band long distance communications on wave guides of circular cross section".

Power Institute imeni G. M. Krzhizhanovskiy.

V. I. Voyta dealt with "Power Generation as a Factor of Developing the National Economy";

Academician M. A. Mikheyev dealt with the "Development of the Science of Heat Transfer During the Last Forty Years";

Card 4/5

24-12-24/24

Jubilee Sessions of the Scientific Institutes of the Technical Sciences Division.

Institute of Metallurgy iconi A. A. Baykov.

I. P. Bardin dealt with the "Technical Progress of Ferrous Metallurgy";

D. M. Chizhikov dealt with "Forty years of Soviet Metallurgy".

Institute of Mechanics.

P. Ya. Kochin dealt with the "Development of the Theory of Filtration in the Soviet Union";

V. Z. Vlasov dealt with "Modern Investigations in the Field of the Theory of Shells and Their Importance in Engineering and Civil Engineering";

A. A. Movchan dealt with "Auto-oscillation of plates in a flow";

Kh. A. Rakhmatulin dealt with "Investigation of Sectionally Stationary Wave Processes in Continuous Media";

V. V. Sokolovskiy dealt with "The Present State of the Statics of Loose Media and its Application to Technical Problems".

Oil Institute. N. I. Titkov dealt with the "Scientific Results of the Activity of the Oil Institute"

Card 3/5

24-12-24/24

Jubilee Sessions of the Scientific Institutes of the Technical Sciences Division.

Institute of Mined Fuels. N. G. Titov read the paper "Forty Years of Soviet Science Relating to Solid Fuel"; K. I. Syskov read the paper "Soviet investigations of coking coal"; N. V. Lavrov read the paper "Soviet Research on Combustible Gases"; T. A. Kukharenko read the paper on the "Successes of Soviet Scientists in Studying the Chemical Structure and the Origin of Solid Mined Fuels"; N. M. Karavayev read the paper "Successes of Soviet Science in Obtaining Chemical Products and Liquid Fuel from Solid Fuel".

Institute of Mechanical Engineering. After the opening address of A. A. Blagonravov, Academician V.I.Dikushin dealt with "Automation of Technological Processes in Engineering";

F. S. Dem'yanyuk dealt with "Fundamental Problems of Automation of Technological Processes";

A. Ye. Kobrinskiy dealt with "Work of the Institute of Mechanical Engineering, Ac.Sc. U.S.S.R. in the Field of Programmed Control of Metal Cutting Machine Tools";

N. I. Levitskiy dealt with "The Theory of Synthesis of Mechanisms".

Card 2/5

~~REF ID: A6511~~ - ~~NOTE GIVEN~~ - PLAKSIN, I.N.

AUTHOR: Hone Given.

24-12-24/24

TITLE: Jubilee Sessions of the Scientific Institutes of the Technical Sciences Division. (Yubileynyye nauchnyye zasedaniya Institutov Otdeleniya Tekhnicheskikh Nauk)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1957, No.12, p.100. (USSR)

ABSTRACT: In October-November, 1957 various scientific sessions were held commemorating the 40th anniversary of the Soviet Revolution.

Institute of Mining. Academician L. D. Shevyakov read a paper on the mining science in the U.S.S.R. during the last forty years;

A. P. Sudoplatov read a paper on "Development of the Technology of Underground Coal Mining in the U.S.S.R.;" N. V. Mel'nikov read the paper "Development of Open Cast Mining in the Soviet Union";

M. I. Aroshkov read the paper "Scientific and Technical Progress in the Soviet Union during the Last Forty Years in the Field of Working Ore Deposits";

I. N. Plaksin read the paper "Beneficiation of Useful Minerals in the Soviet Union".

Card 1/5

BARSKIY, Lev Abramovich; FLACKIN, Igor' Nikolayevich; TYUDIKOVА,  
Vera Ivanovna

[Complex treatment in the dressing of molybdenum ores] Kom-  
pleksnoe obogashchenie molibdenovykh rud. Moscow, Nedra,  
1965. 198 p. (MIRA 18:4)

PLASKIN, I.N.; CHAPLYGINA, Ye.M.

Effect of oxygen and nitrogen on the separation of titanium and  
zirconium minerals by flotation. Dokl. AN SSSR 119 no.4:756-758  
(MIRA 11:6)  
Ap '58.

1. Chlen-korrespondent AN SSSR (for Plaskin).  
(Titanium ores) (Zirconium ores) (Flotation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200041-6

PŁASKI, H.

"Prace miernicze przy układaniu przewodów podziemnych" (Measuring works at the laying of underground cables), by H. Płaski. Reported in New Books (Nowe Ksiazki), No. 14, July 15, 1955

ACC NR: AT6024965

dispersity and homogeneity of the zinc powder was observed upon addition of sodium oleate or a mixture of the latter and water glass to the electrolyte. A technological process for preparing lead and zinc powders is proposed. Orig. art. has: 8 figures.

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Electrolysis 18

Card 2/2 big

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4/8

AUTHOR: Kudryavtsev, N. T.; Plaskeyev, Ye. V.; Ryazanova, L. M.

4/9

ORG: none

4/10

TITLE: Electrolytic preparation of finely divided lead and zinc powders

SOURCE: AN SSSR. Otdeleniye obshchey i tekhnicheskoy khimii. Zashchitnyye metalli-cheskiye i oksidnyye pokrytiya, korroziya metallov i issledovaniya v oblasti elektro-  
khimii (Protective metallic and oxido coatings, corrosion of metals, and studies in  
electrochemistry). Moscow, Nauka, 1965, 8-17

TOPIC TAGS: electrodeposition, zinc, lead, metal powder

ABSTRACT: Finely divided lead and zinc powders were prepared electrolytically from  
alkaline electrolytes. The effect of metal concentration in the electrolyte, cathodic  
current density, cathode material, and organic admixtures on the current efficiency of  
the metal and the dispersity of the cathodic deposits was studied. The effect of var-  
ious inhibitors on the degree of oxidation of the finished products was determined.  
The experiments showed that as the zinc concentration increases from 0.1 to 0.3 M, the  
current densities being the same, the current efficiency of the powder rises, but the  
inhomogeneity in the size distribution of the powder particles increases. The zinc  
powder was found to be less homogeneous than the lead powder in particle size; its par-  
ticles were coarser and had a branched dendritic shape. A certain increase in the

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